



### **Clifford G. Olson**

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### **PERSONAL HISTORY**

B. S. 1964, Hamline University; Ph. D. 1970, Iowa State University; Ames Laboratory at the Synchrotron Radiation Center, 1970-present.

### **RESEARCH INTERESTS**

Use of synchrotron radiation for solid state spectroscopy in the vacuum ultraviolet and soft x-ray region. Measurements of photoemission, absorption, and reflection on rare earth and transition metal elements, compounds, and alloys. Photoemission studies of high temperature superconductors..

### **SELECTED PUBLICATIONS**

S. Haffner, C. G. Olson, L. L. Miller, and D. W. Lynch

“Evidence for a strong impact of the electron-photon matrix element on angle-resolved photoelectron spectra of layered cuprate compounds,” *Phys. Rev. B* (accepted).

Rong Liu, W. C. Tonjes, V. Jane, C. G. Olson, and R. F. Frindt

“The Fermi surface of 2H-TaSe<sub>2</sub> and its relation to the charge density wave,” *Phys. Rev. B* **67**, 5212 (2000).

J. D. Denlinger, G.-H. Gweon, J. W. Allen, C. G. Olson, J. Marcus, C. Schlenker, and L.-S. Hsu

“Non-Fermi-liquid single particle line shape of the quasi-one-dimensional non-CDW metal Li<sub>0.9</sub>Mo<sub>6</sub>O<sub>17</sub>: Comparison to Luttinger Liquid,” *Phys. Rev. Lett.* **82**, 2540 (1999).

S. Haffner, C. G. Olson, and D. W. Lynch

“Evidence for replicate 5p core levels in photoelectron spectra of Eu metal due to nonconstant kinetic-energy resonant Auger decay,” *Phys. Rev. B* **60**, 16346 (1999).

J.-S. Kang, C. G. Olson, J. H. Jung, S. T. Lee, T. W. Noh, and B. I. Min

“Temperature-dependent resonant photoemission study of the metallic and charge-ordered phases of Pr<sub>1-x</sub>Sr<sub>x</sub>MnO<sub>3</sub>,” *Phys. Rev. B* **60**, 13257 (1999).